ABSTRACT OF THE DISCLOSURE

Bits in a first binary signal are compared with one or more first binary patterns. For each first binary patterns, if the comparison meets a predetermined criteria for the first binary pattern, than an evaluation value is calculated for that first binary pattern and for one or more secondary binary patterns that correspond to that first binary pattern, the evaluation value indicating the likelihood that each respective binary pattern corresponds with a portion of a run length limited binary signal represented by the bits of the first binary signal. The first binary signal is corrected to correspond with the binary pattern that was determined most likely to be a portion of the run length limited binary signal.